Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Wednesday 05 Jan 2022 until 23:59 on Thursday 06 Jan 2022

Forecast Issued on Tuesday 04 Jan 2022 at 17:14

Confidence: High for brief window of quieter weather on Wednesday. Also high confidence for return to changeable, often cold, windy conditions from Thursday onwards.

Headline for Wednesday 05 Jan 2022: Dry and sunny with winds slowly easing on the tops. Staying cold.

Mountain weather hazards on Wednesday 05 Jan 2022

Blizzards
No Likelihood

Heavy Snow
No Likelihood

Storm force winds
No Likelihood

Gales
Medium Likelihood

Severe chill effect
High Likelihood

Poor visibility
No Likelihood

Thunderstorms
No Likelihood

Heavy persistent rain
No Likelihood

Strong sunlight
Low Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Clear night	Clear night	Sunny	Sunny	Sunny	Clear night	Clear night
Precipitation probability							
00%	00%	00%	00%	00%	00%	00%	00%

Forecast for Wednesday 05 Jan 2022

Weather: It will stay dry and cold with mostly clear or sunny skies over the National Park. Frost in the valleys at first then a severe frost setting in during the evening.

Chance of cloud free mountain/hill tops above 800m: 95%

Visibility: Air will have great clarity resulting in excellent visibility, even more distant hills will be clearly visible. Only a few patches of cloud about 700m.

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Met Office Mountain Weather Forecast

Forecast for Wednesday 05 Jan 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	43/51 NW	43/51 NW	41/49 NW	37/44 NW	30/37 NW	25/31 NW	19/23 N	11/13 N	7/9 S
600	32/42 NW	30/41 NW	29/39 NW	27/37 NW	21/27 NW	20/28 NW	14/20 N	7/10 N	6/8 S
300	11/35 NW	12/35 NW	11/33 NW	10/29 NW	10/24 NW	8/22 NW	6/17 N	2/8 N	3/6 S
Valley	11/34 NW	11/34 NW	11/32 NW	14/33 NW	11/26 NW	8/22 NW	7/19 N	4/9 N	2/5 SE

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-4/-15	-4/-15	-4/-15	-5/-15	-4/-14	-4/-12	-4/-11	-4/-9	-3/-7
600	-2/-10	-2/-10	-2/-10	-2/-11	-2/-9	-1/-8	-2/-8	-2/-6	-2/-5
300	1/-4	1/-4	0/-4	-0/-5	1/-3	1/-3	-1/-4	-1/-3	-2/-4
Valley	4/-0	3/-1	3/-1	2/-2	4/-0	4/0	2/-1	2/-1	0/-2
Freezing Level*	300m	300m	200m	200m	300m	300m	200m	100m	100m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Note even with less windy conditions in the afternoon, it will still feel bitterly cold on the tops.

Forecast for Thursday 06 Jan 2022

Weather: Dry, bright, frosty start. Soon becoming cloudy with outbreaks of sleet and snow spreading eastwards later in the morning. Snow will turn to rain or sleet at most levels for a time in afternoon, then clearer, colder weather returning during evening.

Maximum wind: Southerly winds, average speeds increasing 35mph during morning with gusts 50mph over the tops. Winds becoming southwesterly by evening and speeds decreasing a little.

Chance of cloud free mountain/hill tops above 800m: 60% at first becoming 20% later in morning.

Visibility: Good for a time in morning then very poor as sleet and snow sets in with clouds coming well down the hills. Still some pockets of good visibility during the day with clouds lifting at times 600 to 700m.

Temperature: **Valleys:** Minus 3 Celsius at dawn, rising to plus 4 Celsius by early afternoon.
At 800m: Minus 4 Celsius rising to zero Celsius for a time.
Freezing level: 200M rising to 800M for a time then falling to 400m during evening.

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Tuesday 4 January 2022. Location: Helvellyn summit at 12:30. Full report: Fresh snow fell overnight and has settled above 200m – 250m. The average depth at 900m is only 2-3cm; however the fine, soft snow is being redistributed on a gusty NW to NNW wind. The main hazard underfoot is the large amount of ice on paths and rocks which this morning was at all levels with a daytime thaw below around 300m. Walkers out on Wednesday should expect and be prepared to encounter even more ice as it refreezes overnight and also additionally on popular routes where the soft snow is compressed by walkers' feet. Microspikes and poles are extremely useful to stay upright. As the fresh snow is blown about, it may well settle on patches of ice causing an additional hazard on paths. Although only covered with a light covering of soft snow exposed routes above the snowline, such as Striding and Swirral Edges, should only be attempted by those confident in winter mountaineering owing to the amount of verglas (thin ice) on some rocks. With the gusty wind, an ice axe is strongly recommended to ensure safe passage and crampons carried in case deeper ice is encountered. With the summit temperature at midday returning to sub zero and the summit windchill (what the temperature feels like) well below at minus 12 degrees, full winter clothing (waterproofs, extra warm layers, hat & gloves), mountain boots and equipment (including torch, map & compass and the ability to use them) are all essential for anyone venturing out onto the high fells. Owing to the amount of biting spindrift being blown about, goggles are also very useful. Those out today dressed in just shorts and trainers were quickly cold whenever they stopped. Extra layers etc are not just for safety, they also allow you to linger at the summit to comfortably soak in the magnificent atmosphere and admire the 360 degree vista. Come properly equipped and enjoy!. Temperature: minus 4.47 C, Maximum wind speed 34.2 mph, Wind chill: minus 12.5 C, Average wind speed: 8.3 mph

Issued at: 1714 on Tue 04 Jan 2022

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